

WHAT IS CLAIMED IS:

1. An information processor having an electronic mail function, which comprises:

a mail size upper limit value storing means for
5 storing at least one upper limit value of a sending
destination mail size;

a mail size comparing means for comparing said upper limit value stored in said mail size upper limit value storing means with a size of a mail main part of sent mail;

10 a sent mail dividing means for dividing said sent
mail into a plurality of sub-mail sections when the size of
said sent mail exceeds said mail size upper limit value;
and

a mail sending means for sequentially sending sets of information individually including said sub-mail sections.

2. An information processor having an electronic mail function according to claim 1, which further comprises a destination-based information registration database, data being registered in said destination-based information registration database, said data being destination-based information including whether or not a mail address, a mail upper limit value and a divided mail reconstituting program for reconstituting said plurality of sub-mail sections to the original mail exist in each destination.

3. An information processor having an electronic mail

function according to claim 2, which further comprises means for setting data to said destination-based information registration database, said data being information on judging whether or not there is necessity of attaching said reconstituting program.

4. An information processor having an electronic mail function according to claim 1, which further comprises a mail dividing information adding means for adding mail dividing information necessary for reconstituting said plurality of divided sub-mail sections to the original mail form to each of said sets of information.

5. An information processor having an electronic mail function according to claim 4, wherein said mail dividing information attached to each of the sub-mail sections includes an identification code for identifying the original mail, sub-numbers for expressing order of said sub-mail sections, a dividing number of the mail, and a capacity of each of said sub-mail sections.

6. An information processor having an electronic mail function according to claim 2, wherein said reconstituting program is a program for reconstituting said original mail based on all said received sub-mail sections and said mail dividing information attached to each of said sub-mail sections.

TELETYPE 280022280

7. An information processor having an electronic mail function according to claim 2, which further comprises means for automatically attaching said dividing mail 5 reconstituting program to sent mail when it is judged that a destination does not have said divided mail reconstituting program.

8. An information processor having an electronic mail function according to claim 1, wherein said mail size upper limit value storing means comprises a mail size upper limit value storing part; and a mail size upper limit value input means for inputting a mail size upper limit value for each destination, said mail size upper limit value being stored 15 in said mail size upper limit value storing part.

9. An information processor having an electronic mail function according to claim 8, wherein said mail size upper limit value storing means further comprises a mail size upper limit value switching means for switching a mail size upper limit value used by said mail size comparing means corresponding to a destination. 20

10. An information processor having an electronic mail function according to claim 1, which further comprises 25 means for setting a subject name for each of the sub-mail sections, said subject name being a name of an original

202530353030

mail added with data corresponding to number of divided sections and dividing order of said sub-mail sections.

11. An information processor having an electronic mail function according to claim 1, wherein it is displayed on a display unit of said information processor that sent mail is divisionally being sent.

12. An information processor having an electronic mail function according to claim 1, wherein said dividing number is set so as to be minimized.

13. An information processor having an electronic mail function according to claim 1, wherein said dividing number is set so as to equalize capacities of the sub-mail sections.

14. An information processor having an electronic mail function, which comprises:

20 a mail dividing judging means for judging whether or not mail dividing information is added in received mail data;

25 a divided-mail receiving judging means for judging referring to the mail dividing information whether or not all of sending sub-mail sections can be received; and

a mail reconstituting means for reconstituting the sections of sending sub-mail data to a form of a single

RECORDED MAIL 200

original item of sending mail data.

15. An information processor having an electronic mail function according to claim 14, wherein it is displayed on a display unit of said information processor that received mail is divisionally being sent.

16. A method of sending and receiving electronic mail, the method comprising the steps of:

10 accepting a request of sending mail;

acquiring a mail size upper limit value of a destination based on an address of said destination;

comparing a size of the mail to be sent with said mail size upper limit value of the destination;

15 dividing the mail to be sent into sub-mail sections according to an appropriate dividing method and sending the sub-mail sections by attaching dividing information to each of the sub-mail sections, when the size of the mail to be sent is larger than said mail size upper limit value of the destination;

20 attaching a reconstituting program of divided mail to the sent mail when the reconstituting program is not provided to the destination; and

directly sending the mail to be sent when the size of the mail to be sent is smaller than said mail size upper limit value of the destination.

ప్రాణికి ప్రాణించి

17. A method of sending and receiving electronic mail according to claim 16, wherein when the mail to be sent is divisionally sent, it is displayed on a display unit that the mail is divisionally sent.

5

18. A method of sending and receiving electronic mail, the method comprising the steps of:

judging whether or not received mail is divisionally being sent;

10 after receiving all sub-mail sections, reconstituting the received sub-mail sections to a mail before divided using a reconstituting program and dividing information attached to each of the mail sections when the received mail is divisionally sent; and

15 executing normal receiving processing when the received mail is not divisionally sent.

19. A method of sending and receiving electronic mail according to claim 18, wherein when the received mail is divisionally sent, it is displayed on a display unit that the mail is divisionally sent.

20. A recording medium storing an electronic mail processing program for realizing an electronic mail function by loading the electronic mail processing program into an information processor, wherein said electronic mail processing program includes a program executing:

100-100-2302200

processing for comparing an upper limit value of sent mail size with a size of mail to be sent; and

5 processing for sending the mail by automatically dividing mail data to be sent into a plurality of sub-mail sections when the size of the mail to be sent exceeds the upper limit value of sent mail size.

21. A recording medium storing an electronic mail processing program according to claim 20, which further 10 includes a program for executing mail dividing information adding processing for adding information into sent mail data, said information being necessary for reconstituting divided items of divisional sub-mail data to a single original item of mail data.

15

22. A recording medium storing an electronic mail processing program according to claim 21, which further includes a program executing:

20 processing for attaching a reconstituting program for reconstituting divided items of divisional sub-mail data to a single original item of mail data; and

processing for setting to a destination database whether or not attaching of said reconstituting program is necessary.

25

23. A recording medium storing an electronic mail processing program according to claim 20, which further

PROJECT 2002-2003

includes a program executing:

mail size upper limit value setting processing for
setting an upper limit value of sent mail size; and

mail size upper limit value storing processing for
5 storing the upper limit value of sent mail size set in the
mail size upper limit value setting processing in a
destination database an information processor.

24. A recording medium storing an electronic mail
10 processing program according to claim 23, which further
includes a program executing processing for switching the
upper limit value of mail size referring to said
destination database corresponding to a destination.

15 25. A recording medium storing an electronic mail processing program according to claim 20, which further includes a program executing processing for automatically changing a subject name of each of items of sub-mail data to each subject name corresponding to number of divided
20 sections and dividing order of each of the items of sub-mail data.

26. A recording medium storing an electronic mail processing program for realizing an electronic mail function by loading the electronic mail processing program into an information processor, wherein said electronic mail processing program includes a program executing:

mail dividing information judging processing for judging whether or not mail dividing information is attached to received mail data;

divided mail receiving judging processing for judging 5 based on the mail dividing information whether or not all necessary items of divisional sent sub-mail data have been received; and

mail reconstituting processing for reconstituting the received plurality of items of divisional sent sub-mail data 10 to a single original item of sending mail data.

PROCESSED-2002-00000000